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NOTICE OF ALLOWANCE AND FEE(S) DUE

4743 7590 07/15/2008

MARSHALL, GERSTEIN & BORUN LLP
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CHICAGO, IL 60606

EXAMINER

STARKS, WILBERT L

ART UNIT

PAPER NUMBER

2129

DATE MAILED: 07/15/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/037,019

11/09/2001

Ken D. Krivoshein

06005/34687A

8743

TITLE OF INVENTION: PROCESS CONTROL SYSTEM INCLUDING AUTOMATIC SENSING AND AUTOMATIC CONFIGURATION OF DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	10/15/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
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P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

4743 7590 07/15/2008

MARSHALL, GERSTEIN & BORUN LLP
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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/037,019 11/09/2001 Ken D. Krivoshein 06005/34687A 8743

TITLE OF INVENTION: PROCESS CONTROL SYSTEM INCLUDING AUTOMATIC SENSING AND AUTOMATIC CONFIGURATION OF DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	10/15/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
STARKS, WILBERT L	2129	700-001000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/037,019	11/09/2001	Ken D. Krivoshein	06005/34687A	8743
4743	7590	07/15/2008	EXAMINER	
MARSHALL, GERSTEIN & BORUN LLP 233 S. WACKER DRIVE, SUITE 6300 SEARS TOWER CHICAGO, IL 60606			STARKS, WILBERT L	
			ART UNIT	PAPER NUMBER
			2129	
DATE MAILED: 07/15/2008				

Determination of Patent Term Extension or Adjustment under 35 U.S.C. 154 (b)

A reissue patent is for "the unexpired part of the term of the original patent." See 35 U.S.C. 251. Accordingly, the above-identified reissue application is not eligible for Patent Term Extension or Adjustment under 35 U.S.C. 154(b).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

10/037,019

Examiner

Wilbert L. Starks, Jr.

Applicant(s)

KRIVOSHEIN ET AL.

Art Unit

2129

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's filing of 11/09/2001.
2. ☒ The allowed claim(s) is/are 1-22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

/Wilbert L. Starks, Jr./
Primary Examiner, Art Unit 2129

DETAILED ACTION

Allowable Subject Matter

Claims 1-22 are allowed.

The following is an Examiner's statement of reasons for allowance:

Claims 1-22 are considered allowable since when reading the claims in light of the specification, as per MPEP §2111.01, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 1, including: a "communication network" (as defined at column 2, lines 51 through 61 and at column 4, lines 13 through 25 and at column 3, lines 22 through 45 and at column 6, lines 17 through 58 and at column 7, lines 1 through 4 and at column 8, lines 38 through 67 and at column 10, lines 1 through 2 and at column 9, lines 1 through 7 and at column 10, lines 30 through 37 and at column 10, lines 47 through 67 and at column 11, lines 60 through 67 and at column 14, lines 9 through 18 and at column 13, lines 11 through 24 and at column 14, lines 40 through 52 and at column 14, lines 59 through 67 and at column 15, lines 38 through 45 and at column 16, lines 59 through 67 and at column 18, lines 1 through 31 and at column 19, lines 1 through 4), a "workstation" (as defined at column 2, lines 30 through 50 and at column 18, lines 31 through 67 and at column 19, lines 5 through 25 and at column 21, lines 9 through 37), a "device type of the connected device" (as defined at column 9, lines 19 through 22 and at column 22, lines 24 through 34 and at column 25, lines 10 through 22), a "role of

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the connected device with respect to the process control system" (as defined at column 4, lines 1 through 12), a "assigning a physical device tag the determined role" (as defined at column 4, lines 1 through 22 and at column 6, lines 59 through 67 and at column 8, lines 1 through 9 and at column 7, lines 8 through 20 and at column 8, lines 38 through 67 and at column 7, lines 41 through 60 and at column 10, lines 3 through 46 and at column 9, lines 37 through 51 and at column 12, lines 1 through 67 and at column 11, lines 10 through 67 and at column 13, lines 1 through 2 and at column 14, lines 18 through 29 and at column 13, lines 35 through 67 and at column 14, lines 40 through 67 and at column 15, lines 1 through 67), a "verifying connection of the device to the network" (as defined at column 4, lines 1 through 12 and at column 23, lines 42 through 64).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 2, including: a "communication network" (as defined at column 2, lines 51 through 61 and at column 4, lines 13 through 25 and at column 3, lines 22 through 45 and at column 6, lines 17 through 58 and at column 7, lines 1 through 4 and at column 8, lines 38 through 67 and at column 10, lines 1 through 2 and at column 9, lines 1 through 7 and at column 10, lines 30 through 37 and at column 10, lines 47 through 67 and at column 11, lines 60 through 67 and at column 14, lines 9 through 18 and at column 13, lines 11 through 24 and at column 14, lines 40 through 52 and at column 14, lines 59 through 67 and at column 15, lines 38 through 45 and at column 16, lines 59 through 67 and at column 18, lines 1 through 31 and at column 19, lines 1 through 4), a "workstation" (as defined at

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column 2, lines 30 through 50 and at column 18, lines 31 through 67 and at column 19, lines 5 through 25 and at column 21, lines 9 through 37), an "initiating" of the "calibration of the connected device" (as defined at column 4, lines 1 through 12 and at column 6, lines 43 through 48), a "configuring" of the device "within an overall control scheme of the process control system" (as defined at column 4, lines 1 through 12 and at column 4, lines 22 through 47 and at column 3, lines 45 through 67 and at column 6, lines 8 through 16 and at column 7, lines 30 through 40 and at column 7, lines 40 through 60 and at column 10, lines 9 through 46 and at column 9, lines 52 through 67 and at column 12, lines 12 through 20 and at column 12, lines 44 through 60 and at column 14, lines 9 through 17 and at column 14, lines 40 through 67 and at column 16, lines 39 through 58 and at column 17, lines 35 through 50 and at column 22, lines 1 through 67 and at column 21, lines 9 through 67 and at column 23, lines 1 through 64 and at column 24, lines 1 through 67).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 3, including: a "communication network" (as defined at column 2, lines 51 through 61 and at column 4, lines 13 through 25 and at column 3, lines 22 through 45 and at column 6, lines 17 through 58 and at column 7, lines 1 through 4 and at column 8, lines 38 through 67 and at column 10, lines 1 through 2 and at column 9, lines 1 through 7 and at column 10, lines 30 through 37 and at column 10, lines 47 through 67 and at column 11, lines 60 through 67 and at column 14, lines 9 through 18 and at column 13, lines 11 through 24 and at column 14, lines 40 through 52 and at column 14, lines 59 through 67 and at

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column 15, lines 38 through 45 and at column 16, lines 59 through 67 and at column 18, lines 1 through 31 and at column 19, lines 1 through 4), a "workstation" (as defined at column 2, lines 30 through 50 and at column 18, lines 31 through 67 and at column 19, lines 5 through 25 and at column 21, lines 9 through 37), a "device type of the connected device" (as defined at column 9, lines 19 through 22 and at column 22, lines 24 through 34 and at column 25, lines 10 through 22), an "installing" of "a control strategy to the digital device" (as defined at column 4, lines 1 through 12 and at column 7, lines 1 through 4 and at column 10, lines 19 through 28 and at column 22, lines 13 through 23 and at column 21, lines 30 through 62).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 4, including: a "network" (as defined at column 2, lines 51 through 61 and at column 4, lines 13 through 25 and at column 3, lines 22 through 45 and at column 6, lines 17 through 58 and at column 7, lines 1 through 4 and at column 8, lines 38 through 67 and at column 10, lines 1 through 2 and at column 9, lines 1 through 7 and at column 10, lines 30 through 37 and at column 10, lines 47 through 67 and at column 11, lines 60 through 67 and at column 14, lines 9 through 18 and at column 13, lines 11 through 24 and at column 14, lines 40 through 52 and at column 14, lines 59 through 67 and at column 15, lines 38 through 45 and at column 16, lines 59 through 67 and at column 18, lines 1 through 31 and at column 19, lines 1 through 4), a "sensing a device that is connected to the network but not included in the defined control configuration" (as defined at column 4, lines 13 through 59 and at column 3, lines 45 through 55 and at column 6,

lines 8 through 48 and at column 9, lines 8 through 18 and at column 9, lines 51 through 67 and at column 23, lines 42 through 64 and at column 24, lines 46 through 61 and at column 25, lines 1 through 26), a "supplying initial interconnect information to the connected device" (as defined at column 3, lines 45 through 55), a "uploading configuration parameters from the connected device to the distributed controller" (as defined at column 3, lines 45 through 55 and at column 21, lines 30 through 37), a "device type of the connected device" (as defined at column 9, lines 19 through 22 and at column 22, lines 24 through 34 and at column 25, lines 10 through 22), a "role of the connected device with respect to the process control system" (as defined at column 4, lines 1 through 12), a "assigning a physical device tag the determined role" (as defined at column 4, lines 1 through 22 and at column 6, lines 59 through 67 and at column 8, lines 1 through 9 and at column 7, lines 8 through 20 and at column 8, lines 38 through 67 and at column 7, lines 41 through 60 and at column 10, lines 3 through 46 and at column 9, lines 37 through 51 and at column 12, lines 1 through 67 and at column 11, lines 10 through 67 and at column 13, lines 1 through 2 and at column 14, lines 18 through 29 and at column 13, lines 35 through 67 and at column 14, lines 40 through 67 and at column 15, lines 1 through 67), a "verifying connection of the device to the network" (as defined at column 4, lines 1 through 12 and at column 23, lines 42 through 64).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 6, including: a "sensing a device that is connected to the network but not included in the defined

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control configuration" (as defined at column 4, lines 13 through 59 and at column 3, lines 45 through 55 and at column 6, lines 8 through 48 and at column 9, lines 8 through 18 and at column 9, lines 51 through 67 and at column 23, lines 42 through 64 and at column 24, lines 46 through 61 and at column 25, lines 1 through 26), a "supplying initial interconnect information to the connected device" (as defined at column 3, lines 45 through 55), a "uploading configuration parameters from the connected device to the distributed controller" (as defined at column 3, lines 45 through 55 and at column 21, lines 30 through 37), a "assigning a physical device tag the determined role" (as defined at column 4, lines 1 through 22 and at column 6, lines 59 through 67 and at column 8, lines 1 through 9 and at column 7, lines 8 through 20 and at column 8, lines 38 through 67 and at column 7, lines 41 through 60 and at column 10, lines 3 through 46 and at column 9, lines 37 through 51 and at column 12, lines 1 through 67 and at column 11, lines 10 through 67 and at column 13, lines 1 through 2 and at column 14, lines 18 through 29 and at column 13, lines 35 through 67 and at column 14, lines 40 through 67 and at column 15, lines 1 through 67), an "installing" of "a control strategy to the digital device" (as defined at column 4, lines 1 through 12 and at column 7, lines 1 through 4 and at column 10, lines 19 through 28 and at column 22, lines 13 through 23 and at column 21, lines 30 through 62).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 7, including: a "sensing a device that is connected to the network but not included in the defined control configuration" (as defined at column 4, lines 13 through 59 and at column 3,

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lines 45 through 55 and at column 6, lines 8 through 48 and at column 9, lines 8 through 18 and at column 9, lines 51 through 67 and at column 23, lines 42 through 64 and at column 24, lines 46 through 61 and at column 25, lines 1 through 26), a "assigning a physical device tag the determined role" (as defined at column 4, lines 1 through 22 and at column 6, lines 59 through 67 and at column 8, lines 1 through 9 and at column 7, lines 8 through 20 and at column 8, lines 38 through 67 and at column 7, lines 41 through 60 and at column 10, lines 3 through 46 and at column 9, lines 37 through 51 and at column 12, lines 1 through 67 and at column 11, lines 10 through 67 and at column 13, lines 1 through 2 and at column 14, lines 18 through 29 and at column 13, lines 35 through 67 and at column 14, lines 40 through 67 and at column 15, lines 1 through 67), an "installing" of "a control strategy to the digital device" (as defined at column 4, lines 1 through 12 and at column 7, lines 1 through 4 and at column 10, lines 19 through 28 and at column 22, lines 13 through 23 and at column 21, lines 30 through 62).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 10, including: a "network" (as defined at column 2, lines 51 through 61 and at column 4, lines 13 through 25 and at column 3, lines 22 through 45 and at column 6, lines 17 through 58 and at column 7, lines 1 through 4 and at column 8, lines 38 through 67 and at column 10, lines 1 through 2 and at column 9, lines 1 through 7 and at column 10, lines 30 through 37 and at column 10, lines 47 through 67 and at column 11, lines 60 through 67 and at column 14, lines 9 through 18 and at column 13, lines 11 through 24 and at

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column 14, lines 40 through 52 and at column 14, lines 59 through 67 and at column 15, lines 38 through 45 and at column 16, lines 59 through 67 and at column 18, lines 1 through 31 and at column 19, lines 1 through 4), a "sensing a device that is connected to the network but not included in the defined control configuration" (as defined at column 4, lines 13 through 59 and at column 3, lines 45 through 55 and at column 6, lines 8 through 48 and at column 9, lines 8 through 18 and at column 9, lines 51 through 67 and at column 23, lines 42 through 64 and at column 24, lines 46 through 61 and at column 25, lines 1 through 26), a "assigning a physical device tag so that the determined role is set" (as defined at column 4, lines 1 through 22 and at column 6, lines 59 through 67 and at column 8, lines 1 through 9 and at column 7, lines 8 through 20 and at column 8, lines 38 through 67 and at column 7, lines 41 through 60 and at column 10, lines 3 through 46 and at column 9, lines 37 through 51 and at column 12, lines 1 through 67 and at column 11, lines 10 through 67 and at column 13, lines 1 through 2 and at column 14, lines 18 through 29 and at column 13, lines 35 through 67 and at column 14, lines 40 through 67 and at column 15, lines 1 through 67).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 13, including: a "network" (as defined at column 2, lines 51 through 61 and at column 4, lines 13 through 25 and at column 3, lines 22 through 45 and at column 6, lines 17 through 58 and at column 7, lines 1 through 4 and at column 8, lines 38 through 67 and at column 10, lines 1 through 2 and at column 9, lines 1 through 7 and at column 10, lines 30 through 37 and at column 10, lines 47 through 67 and at column 11, lines 60 through 67

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and at column 14, lines 9 through 18 and at column 13, lines 11 through 24 and at column 14, lines 40 through 52 and at column 14, lines 59 through 67 and at column 15, lines 38 through 45 and at column 16, lines 59 through 67 and at column 18, lines 1 through 31 and at column 19, lines 1 through 4), a "sensing a device that is connected to the network but not included in the defined control configuration" (as defined at column 4, lines 13 through 59 and at column 3, lines 45 through 55 and at column 6, lines 8 through 48 and at column 9, lines 8 through 18 and at column 9, lines 51 through 67 and at column 23, lines 42 through 64 and at column 24, lines 46 through 61 and at column 25, lines 1 through 26), a "assigning a physical device tag so that the determined role is set" (as defined at column 4, lines 1 through 22 and at column 6, lines 59 through 67 and at column 8, lines 1 through 9 and at column 7, lines 8 through 20 and at column 8, lines 38 through 67 and at column 7, lines 41 through 60 and at column 10, lines 3 through 46 and at column 9, lines 37 through 51 and at column 12, lines 1 through 67 and at column 11, lines 10 through 67 and at column 13, lines 1 through 2 and at column 14, lines 18 through 29 and at column 13, lines 35 through 67 and at column 14, lines 40 through 67 and at column 15, lines 1 through 67).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 16, including: a "network" (as defined at column 2, lines 51 through 61 and at column 4, lines 13 through 25 and at column 3, lines 22 through 45 and at column 6, lines 17 through 58 and at column 7, lines 1 through 4 and at column 8, lines 38 through 67 and at column 10, lines 1 through 2 and at column 9, lines 1 through 7 and at column 10, lines 30

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through 37 and at column 10, lines 47 through 67 and at column 11, lines 60 through 67 and at column 14, lines 9 through 18 and at column 13, lines 11 through 24 and at column 14, lines 40 through 52 and at column 14, lines 59 through 67 and at column 15, lines 38 through 45 and at column 16, lines 59 through 67 and at column 18, lines 1 through 31 and at column 19, lines 1 through 4), a "sensing a device that is connected to the network but not included in the defined control configuration" (as defined at column 4, lines 13 through 59 and at column 3, lines 45 through 55 and at column 6, lines 8 through 48 and at column 9, lines 8 through 18 and at column 9, lines 51 through 67 and at column 23, lines 42 through 64 and at column 24, lines 46 through 61 and at column 25, lines 1 through 26), a "assigning a physical device tag so that the determined role is set" (as defined at column 4, lines 1 through 22 and at column 6, lines 59 through 67 and at column 8, lines 1 through 9 and at column 7, lines 8 through 20 and at column 8, lines 38 through 67 and at column 7, lines 41 through 60 and at column 10, lines 3 through 46 and at column 9, lines 37 through 51 and at column 12, lines 1 through 67 and at column 11, lines 10 through 67 and at column 13, lines 1 through 2 and at column 14, lines 18 through 29 and at column 13, lines 35 through 67 and at column 14, lines 40 through 67 and at column 15, lines 1 through 67), an "installing" of "a control strategy to the digital device" (as defined at column 4, lines 1 through 12 and at column 7, lines 1 through 4 and at column 10, lines 19 through 28 and at column 22, lines 13 through 23 and at column 21, lines 30 through 62).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 18, including: a

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"network" (as defined at column 2, lines 51 through 61 and at column 4, lines 13 through 25 and at column 3, lines 22 through 45 and at column 6, lines 17 through 58 and at column 7, lines 1 through 4 and at column 8, lines 38 through 67 and at column 10, lines 1 through 2 and at column 9, lines 1 through 7 and at column 10, lines 30 through 37 and at column 10, lines 47 through 67 and at column 11, lines 60 through 67 and at column 14, lines 9 through 18 and at column 13, lines 11 through 24 and at column 14, lines 40 through 52 and at column 14, lines 59 through 67 and at column 15, lines 38 through 45 and at column 16, lines 59 through 67 and at column 18, lines 1 through 31 and at column 19, lines 1 through 4), a "sensing a device that is connected to the network but not included in the defined control configuration" (as defined at column 4, lines 13 through 59 and at column 3, lines 45 through 55 and at column 6, lines 8 through 48 and at column 9, lines 8 through 18 and at column 9, lines 51 through 67 and at column 23, lines 42 through 64 and at column 24, lines 46 through 61 and at column 25, lines 1 through 26), a "role of the connected device with respect to the process control system" (as defined at column 4, lines 1 through 12), a "assigning a physical device tag so that the determined role is set" (as defined at column 4, lines 1 through 22 and at column 6, lines 59 through 67 and at column 8, lines 1 through 9 and at column 7, lines 8 through 20 and at column 8, lines 38 through 67 and at column 7, lines 41 through 60 and at column 10, lines 3 through 46 and at column 9, lines 37 through 51 and at column 12, lines 1 through 67 and at column 11, lines 10 through 67 and at column 13, lines 1 through 2 and at column 14, lines 18 through 29 and at

column 13, lines 35 through 67 and at column 14, lines 40 through 67 and at column 15, lines 1 through 67).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 20, including: a "network" (as defined at column 2, lines 51 through 61 and at column 4, lines 13 through 25 and at column 3, lines 22 through 45 and at column 6, lines 17 through 58 and at column 7, lines 1 through 4 and at column 8, lines 38 through 67 and at column 10, lines 1 through 2 and at column 9, lines 1 through 7 and at column 10, lines 30 through 37 and at column 10, lines 47 through 67 and at column 11, lines 60 through 67 and at column 14, lines 9 through 18 and at column 13, lines 11 through 24 and at column 14, lines 40 through 52 and at column 14, lines 59 through 67 and at column 15, lines 38 through 45 and at column 16, lines 59 through 67 and at column 18, lines 1 through 31 and at column 19, lines 1 through 4), a "sensing a device that is connected to the network " (as defined at column 4, lines 13 through 59 and at column 3, lines 45 through 55 and at column 6, lines 8 through 48 and at column 9, lines 8 through 18 and at column 9, lines 51 through 67 and at column 23, lines 42 through 64 and at column 24, lines 46 through 61 and at column 25, lines 1 through 26), a "configuring" of the device "within an overall control scheme of the process control system" (as defined at column 4, lines 1 through 12 and at column 4, lines 22 through 47 and at column 3, lines 45 through 67 and at column 6, lines 8 through 16 and at column 7, lines 30 through 40 and at column 7, lines 40 through 60 and at column 10, lines 9 through 46 and at column 9, lines 52 through 67 and at column 12, lines 12 through 20 and at

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column 12, lines 44 through 60 and at column 14, lines 9 through 17 and at column 14, lines 40 through 67 and at column 16, lines 39 through 58 and at column 17, lines 35 through 50 and at column 22, lines 1 through 67 and at column 21, lines 9 through 67 and at column 23, lines 1 through 64 and at column 24, lines 1 through 67).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 22, including: a "network" (as defined at column 2, lines 51 through 61 and at column 4, lines 13 through 25 and at column 3, lines 22 through 45 and at column 6, lines 17 through 58 and at column 7, lines 1 through 4 and at column 8, lines 38 through 67 and at column 10, lines 1 through 2 and at column 9, lines 1 through 7 and at column 10, lines 30 through 37 and at column 10, lines 47 through 67 and at column 11, lines 60 through 67 and at column 14, lines 9 through 18 and at column 13, lines 11 through 24 and at column 14, lines 40 through 52 and at column 14, lines 59 through 67 and at column 15, lines 38 through 45 and at column 16, lines 59 through 67 and at column 18, lines 1 through 31 and at column 19, lines 1 through 4), a "workstation" (as defined at column 2, lines 30 through 50 and at column 18, lines 31 through 67 and at column 19, lines 5 through 25 and at column 21, lines 9 through 37), a "sensing a device that is connected to the network " (as defined at column 4, lines 13 through 59 and at column 3, lines 45 through 55 and at column 6, lines 8 through 48 and at column 9, lines 8 through 18 and at column 9, lines 51 through 67 and at column 23, lines 42 through 64 and at column 24, lines 46 through 61 and at column 25, lines 1 through 26).

Only to the extent that these features are not found in the prior art of record is the present case allowable over the prior art.

Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

- A) Nixon et al. (U.S. Patent Number 5,909,368 A; dated 01 JUN 1999; class 700; subclass 002) discloses a process control system using a process control strategy distributed among multiple control elements.
- B) Nixon et al. (U.S. Patent Number 5,862,052 A; dated 19 JAN 1999; class 713; subclass 001) discloses a process control system using a control strategy implemented in a layered hierarchy of control modules.
- C) Nixon et al. (U.S. Patent Number 5,828,851 A; dated 27 OCT 1998; class 710; subclass 105) discloses a process control system using standard protocol control of standard devices and nonstandard devices.
- D) Nixon et al. (U.S. Patent Number 5,801,942 A; dated 01 SEP 1998; class 700; subclass 083) discloses a process control system user interface including selection of multiple control languages.

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- E) Havekost et al. (U.S. Patent Number 5,768,119 A; dated 16 JUN 1998; class 700; subclass 004) discloses a process control system including alarm priority adjustment.
- F) Ross (U.S. Patent Number 5,675,748 A; dated 07 OCT 1997; class 710; subclass 104) discloses a method and apparatus for automatically configuring computer system hardware and software.

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Wilbert L. Starks, Jr. whose telephone number is (571) 272-3691.

Alternatively, inquiries may be directed to the following:

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/Wilbert L. Starks, Jr./

Primary Examiner, Art Unit 2129

WLS

03 JUL 2008